

SYSTEM-INFO

| | |
|------------------|--|
| File | 26 |
| Op-Sys | OS/390, VSE/ESA/ESA, BS2000/OSD |
| Statement | FIND |
| Task | Retrieve information from the operating system on which this Entire System Server is running. In an Entire Net-Work environment, this view can be used to determine which operating systems are to be supported. |

Common Fields for all Operating Systems

| Dictionary Field Name | F/L | Mu | DE | Remarks |
|-----------------------|-----|----|----|---------|
| ERROR-CODE | N3 | | | |
| ERROR-TEXT | A58 | | | |
| NODE | N3 | | D | |
| NODE-NAME | A16 | | D | |
| NODE-NAME-LIST | A16 | | | |
| SYSTEM-MESSAGE-CODE | A10 | | | |
| SYSTEM-TYPE | A8 | | D | |
| SYSTEM-RELEASE | A8 | | D | |
| SECURITY | A4 | | D | |
| AUTO-LOGON | A3 | | D | |
| ESY-VERSION | A8 | | D | |
| NODE-ID | A50 | | D | |
| JOBNAME | A8 | | D | |
| STARTUP-PARM | A80 | | D | |
| LOCAL-DATX | D | | D | |
| LOCAL-TIMX | T | | D | |

Additional Fields Supported for OS/390 and VSE/ESA

| Dictionary Field Name | F/L | Mu | DE | Remarks |
|------------------------------|------------|-----------|-----------|----------------|
| SPOOL-TYPE | A8 | | D | |
| SPOOL-RELEASE | A8 | | D | |
| CPU-ID | A12 | | D | |
| GMT-DIFFERENCE | N3 | | D | |
| LAST-IPL-DATX | D | | D | |
| LAST-IPL-TIMX | T | | D | |

Additional Fields Supported for OS/390

| Dictionary Field Name | F/L | Mu | DE | Remarks |
|------------------------------|------------|-----------|-----------|----------------|
| SYSTEM-NAME | A8 | | D | |
| SMF-RECORD | N3 | | D | |
| APF | N3 | | D | |

Additional Fields Supported for VSE/ESA

| Dictionary Field Name | F/L | Mu | DE | Remarks |
|------------------------------|------------|-----------|-----------|----------------|
| DATE-FORMAT | A3 | | D | |
| SYSTEM-ID | A16 | | D | |

Additional Fields Supported for BS2000/OSD

| Dictionary Field Name | F/L | Mu | DE | Remarks |
|------------------------------|------------|-----------|-----------|----------------|
| SYSTEM-CODE | B2 | | | |
| SYSTEM-BASE-ADDRESS | A8 | | | |
| CONFIGURATION-NAME | A21 | | | |
| MEMORY-SIZE | A8 | | | |
| FIRST-CPU-SERIAL-NUMBER | A6 | | | |
| SECOND-CPU-SERIAL-NUMBER | A6 | | | |
| OPERATING-SYSTEM-TYPE | A4 | | | |
| OPERATING-SYSTEM-ID | A8 | | | |
| JOBVAR | A3 | | | |
| SESSION-NUMBER | N3 | | | |
| LMS-VERSION | N3 | | | |
| MODE | A8 | | | |
| LOGON-ID | A8 | | | |

Relevant Error Codes

| Code | Text | OS/390 | VSE/ESA | BS2000/OSD |
|------|--------------------------------------|--------|---------|------------|
| 799 | Entire System Server internal error. | | | X |

Field Descriptions

| Field Name | Type/Length | Operating System |
|------------|-------------|------------------|
| APF | (A3) | OS/390 |

Possible values:

| Value | Explanation |
|-------|---|
| NO | Entire System Server is not running APF-authorized. |
| YES | Entire System Server is running APF-authorized. |

| Field Name | Type/Length | Operating System |
|------------|-------------|-----------------------------|
| AUTO-LOGON | (A3) | OS/390, VSE/ESA, BS2000/OSD |

Automatic logon option for the Entire System Server. If YES is specified in the corresponding startup parameter, the Entire System Server will perform an automatic logon to the active security system using *INIT-USER as user ID.

| Field Name | Type/Length | Operating System |
|--------------------|-------------|------------------|
| CONFIGURATION-NAME | (A21) | BS2000/OSD |

Hardware type (for example, 7500- H60-F).

| Field Name | Type/Length | Operating System |
|------------|-------------|------------------|
| CPU-ID | (A12) | OS/390, VSE/ESA |

Bytes 1-8 identify the CPU ID. Bytes 9-12 the model.

| Field Name | Type/Length | Operating System |
|-------------|-------------|------------------|
| DATE-FORMAT | (A3) | VSE/ESA |

DATE-FORMAT returns the value specified in the "//STDOPT DATE = " VSE JCS card. The values returned are 'DMY' or 'MDY'. Used to determine default date format as displayed in VSE/ESA.

| Field Name | Type/Length | Operating System |
|-------------|-------------|-----------------------------|
| ESY-VERSION | (A8) | OS/390, VSE/ESA, BS2000/OSD |

The version number of this Entire System Server, for example, 1.3.1.

| Field Name | Type/Length | Operating System |
|-------------------------|--------------------|-------------------------|
| FIRST-CPU-SERIAL-NUMBER | (A6) | BS2000/OSD |

The serial number of the first CPU.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| GMT-DIFFERENCE | (N3) | OS/390, VSE/ESA |

Time difference in hours between local time and GMT.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| JOBNAME | (A8) | OS/390, VSE/ESA, BS2000/OSD |

Job name of the Entire System Server node.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| JOBVAR | (A3) | BS2000/OSD |

Possible values:

| Value | Explanation |
|--------------|--|
| NO | Software product Job Variables not available |
| YES | Software product Job Variables is installed. |

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| LAST-IPL-DATX | (D) | OS/390, VSE/ESA |

Date in Natural format of last system IPL.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| LAST-IPL-TIMX | (T) | OS/390, VSE/ESA |

Time in Natural format of last system IPL.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| LMS-VERSION | (N3) | BS2000/OSD |

LMS version which must be used by this Entire System Server node as specified in the startup parameters.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| LOCAL-DATX | (D) | OS/390, VSE/ESA, BS2000/OSD |

Current date in Natural format.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| LOCAL-TIMX | (T) | OS/390, VSE/ESA, BS2000/OSD |

Current time of day in Natural format.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| LOGON-ID | (A8) | BS2000/OSD |

Returns the current user ID of the caller. This value is changed after NATPROC-LOGON.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| MEMORY-SIZE | (A8) | BS2000/OSD |

Available system main storage in bytes.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| MODE | (A8) | BS2000/OSD |

Indicates the user mode of Entire System Server. Possible values:

- MULTI
- SINGLE

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| NODE-ID | (A50) | OS/390, VSE/ESA, BS2000/OSD |

Logical identifier of the node. This value is defined for the node using the startup parameter IDENTIFIER.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| NODE-NAME-LIST | (A16) | OS/390, VSE/ESA, BS2000/OSD |

Lists entries of Entire System Server Nodes.

| Field Name | Type/Length | Operating System |
|---------------------|--------------------|-------------------------|
| OPERATING-SYSTEM-ID | (A8) | BS2000/OSD |

Program name of the BS2000/OSD where the Entire System Server is running.

| Field Name | Type/Length | Operating System |
|-----------------------|--------------------|-------------------------|
| OPERATING-SYSTEM-TYPE | (A4) | BS2000/OSD |

Type of hardware-software interface. Possible values:

| Value | Explanation |
|--------------|---------------------|
| NXS | 24-bit address mode |
| XS25 | 25-bit address mode |
| XS31 | 31-bit address mode |

| Field Name | Type/Length | Operating System |
|--------------------------|--------------------|-------------------------|
| SECOND-CPU-SERIAL-NUMBER | (A6) | BS2000/OSD |

The serial number of the second CPU.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| SECURITY | (A4) | OS/390, VSE/ESA, BS2000/OSD |

Security system defined in Entire System Server startup parameters.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SESSION-NUMBER | (N3) | BS2000/OSD |

Number of actual BS2000/OSD session.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SMF-RECORD | (N3) | OS/390 |

SMF record number written by the Entire System Server.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SPOOL-RELEASE | (A8) | OS/390, VSE/ESA |

Spooling system release number.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SPOOL-TYPE | (A8) | OS/390, VSE/ESA |

Spooling system type.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| STARTUP-PARM | (A80) | OS/390, VSE/ESA, BS2000/OSD |

Entire System Server startup parameters. To obtain all startup parameters, use a processing loop in Natural.

| Field Name | Type/Length | Operating System |
|---------------------|--------------------|-------------------------|
| SYSTEM-BASE-ADDRESS | (A8) | BS2000/OSD |

Gives the start address of the virtual system address space.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SYSTEM-ID | (A16) | VSE/ESA |

POWER-ID.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-------------------------|
| SYSTEM-NAME | (A8) | OS/390 |

SMF system name.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| SYSTEM-RELEASE | (A8) | OS/390, VSE/ESA, BS2000/OSD |

Operating system release number.

| Field Name | Type/Length | Operating System |
|-------------------|--------------------|-----------------------------|
| SYSTEM-TYPE | (A8) | OS/390, VSE/ESA, BS2000/OSD |

Operating system type. Possible options:

| Option | Explanation |
|---------------|---------------------------|
| DOS | Old notation for VSE/ESA. |
| BS2000/OSD | |
| OS/390 | |
| OS/390/ESA | |
| OS/390/XA | |

Example 1:

The following example displays system information on the Entire System Server with Node Number 148:

| |
|--|
| PROCESS SYSTEM-INFO WITH NODE = 148 DISPLAY SYSTEM-TYPE SYSTEM-RELEASE SPOOL-TYPE SECURITY JOBNAME |
| Sample output from above program: |
| SYSTEM-TYPE SYSTEM-RELEASE SPOOL-TYPE SECURITY JOBNAME ----- OS/390/XA SP2.2.3 JES2 RACF XCOM148 |

Example 2:

The following example displays startup parameters of the Entire System Server with Node Number 148:

| |
|--|
| FIND SYSTEM-INFO WITH NODE = 148 DISPLAY STARTUP-PARM (AL=79) |
|--|

Sample output from above program:

```
NODE=148
ADA5SVC=249
ADAVERS=5
AUTOLG=YES
BPDIRS=50          NUMBER OF BUFFER POOL DIRECTORIES
BPSIZE=250         BUFFER POOL SIZE IN KBYTES
SPOOL=J220
LOGGING=NO
LOGCB=YES
LOGFB=YES
LOGRB=YES
LOGSB=YES
LOGVB=YES
LOOP=0
NABS=40
TIME=60           DEFAULT=30
NATNUMSUB=2        NUMBER OF NATURAL SUBTASKS
```